Radio-Electronics®

THE MAGAZINE FOR NEW IDEAS IN ELECTRONICS

1979 ANNUAL INDEX

JANUARY 1979—DECEMBER 1979

Abbreviations: (C) Construction; (CC) Computer Corner; (D) Department; (EX) Extract; (E) Editorial; (ER) Equipment Report; (F) Filler; (HC) Hobby Corner; (ICAM) IC Application Of The Month; (KK) Komputer Korner; (L) Letter; (LTHFER) Lab-Tested Hi-Fi Equipment Report; (RQ) Reader Question; (SBS) Step-By-Step Troubleshooting; (SC) Service Clinic; (SOSS) State of Solid State; (SQ) Service Questions

A

AC Outlet Checker (C) (Kraengel) Aug 53
A/D Converter, New (SOSS) (Savon) Jul 68
Adaptive Noise Filter (see listing under **HI-FI**)
Alarms (see **BURGLAR ALARM**)
All About Floppys (Savon) Mar 57
All About Microphones (Feldman) Oct 101
PC Boards (Cheairs) Sep 50
AM (see list under **HI-FI**)
Analyzer (see listing under **TEST EQUIPMENT**)
Ammeter (see listing under **TEST EQUIPMENT**)
Amplifier (see listing under **HI-FI**)
Antenna–CB, Monitor, Tuner (see individual listings under **RADIO**)
Antistatic Record Care (Feldman) Sep 57
Application Note Led Driver/Array Prom Programming Mar 44, Sep 68
Arcing Ground Spring (SQ) Dec 86
Isolation (SQ) Oct 140
Audio (see **HI-FI**)
Author...Author! (50ANNI) (Shunaman) Oct 70
Automate Your Home (C) (Nyman) Oct 75
Automatic Telephone Dialers (Blechman) Nov 48, Dec 43
Automotive
Battery Voltage Monitor (EX) (Damkier) Oct 92
Charging System Monitor/Tester (EX) (Kinnard) Oct 92
Radiator Monitor (C) (Cheairs) Oct 94
Stereo, Car, What's New (Petras) Jun 41

B

Bar-Graph Display, LED Oct 90
Barkleigh TV, What's A(SQ) Jun 80
Batteries, Rechargeable, What's New In (Salm) May 44
BFO Circuit For Shortwave Receivers (HC) (Savage) May 80
Binary Clock, Graymark 540(ER) Jul 24
Blanking Problem(SQ) Mar 106
Problems (SC) (Darr) Dec 83
Books(D) Mar 105,117, Apr 85, Aug 81, Sep 90, Oct 112, 150, Nov 97
Boost Voltage (SC) Nov 82
Bowling Game (C) (Stanford) May 40
Branley, Edouard(F) (Shunaman) Apr 52
Breadboard Systems, AP Products Powerace 103(ER) Feb 24
TRS-80 (C) (Titus, Titus & Larsen) Nov 43, Dec 51
Brightness, Limiter, Automatic(SC)(Darr) Jun 76
Solution(SQ) Dec 84
Build
AC Outlet Checker (Kraengel) Aug 53
Adaptive Noise Filter (Skormond & Garrison Aug 43, Sep 54
Audio Test Station (Davison-Scott) Jan 35, Feb 45, Mar 76, May 59, Jul 54
Automotive Radiator Monitor (Cheairs) Oct 94
Bowling Game (Stanford) May 40
Burglar Alarm, This (Talbot) Apr 40, (L)Jun 6
Security, Alert, Light Sensitive (Weiss) Apr 44
Buyer's Guide To Hi-Fi Amplifiers (Feldman) May 47
Computers, TRS-80 Breadboard (Titus, Titus & Larsen) Nov 43, Dec 51
Heart-Rate Monitor (Worley) Jul 35
Hi-Fi, Super Audio Amplifier (Talbot) Dec 55
Multimeter, Digital, 4-½-Digit Precision (Owen) Aug 37
Music, Monophonic Maker (HC)(Savage)Jan 62, Feb 74
String Synthesizer(Jones) Feb 37, Mar 71, (L)Jun 6
NOM Card For The 1802(Cheairs) Jan 58
Percussion Synthesizer(Barbarello) Sep 43, Oct 98, Dec 47
Programmable Home Thermostat(Gise) Jun 35, (L)Dec 22
Satellite TV Receiver (Cooper) Aug 47, Sep 47, Oct 81
600-MHz Portable Frequency Counter (Colburn & Owen) Jan 39, (L)Jun 6
Solar Tracking System(Kreuter) Feb 42
String Synthesizer(Jones) Feb 37, Mar 71, (L)Jun 6
Telephone, Music On Hold(Gilder) Nov 53
Thermometer, Precision Digital(Owen) Jul 42
Thermostat, Programmable(Gise) Jun 35, (L)Dec 22
Time/Voltage Calibrator(Farrar) May 35, Jun 59
Unique Projects, 3(Weinstein & Gartman) Apr 48
Video Motorcycle Game(Cheairs) Jan 44
Burglar Alarm System(C) (Talbor) Apr 40, (L)Jun 6
Security Alert, Light Sensitive(C)(Weiss) Apr 44

C

Cabinets (see **CASES**)
Calculator, Programmable Applications(HC) Sep 76
Calibrator (see listing under **TEST EQUIPMENT**)
Call For New Ideas, A (E) (Kleiman) Jul 6
Car (see **AUTOMOTIVE**)
Cases & Cabinets For Projects(Brown) Feb 49
Cassette (see listing under **HI-FI**)
Cathode Current Runs Hot(SQ) May 100
CB (see listing under **RADIO**)
CET, You Can Be(Glass) Feb 68, Dec 70
Check The Figures, Always(SQ) Jun 80
Clock, Alarm, Modify(HC)(Savage) Aug 66
Binary, Graymark 540(ER) Jul 24
How To Modify(HC)(Savage) Jul 66
Coils With Loose Cores(SQ) Jan 67
Color Problem, Odd(SQ) May 98
Comb Filter, Magnavox(F)(Savon) Apr 47
Communications (see **RADIO**)
Corner (see listing under **RADIO**)
Filter (see listing under **RADIO**)
Products (see listing under **RADIO**; also see **RADIO PRODUCTS** listing under **RADIO**)
Component Analyzer (see listing under **TEST EQUIPMENT**)
CompuChess, Data Cash Systems(ER) Jan 26
Computer Corner (see listing under **COMPUTERS**)
Computers 1802, NOM Card For(C) (Cheairs) Jan 58
8085(CC)(Titus, Larsen, Rony, Titus) Aug 70
Editor-Assembler, Microproducts Apple II(ER) May 32
6502 (ER) Feb 32
8055 Memory IC(CC)(Titus, Larsen, Rony) Feb 77
Corner, Assembly or Basic? (Rony, Larsen, Titus & Titus) Oct 130
Direct Memory Access (Larsen, Rony, Titus & Titus) May 86
8080–Real-Time Clocks (Larsen, Titus Rony & Titus) Nov 86
8085(Titus, Larsen, Rony & Titus) Aug 70
& MCS-48(Barden) Jan 64
Memory IC(Titus, Larsen, Rony) Feb 76
MCS-48 & 8085(Barden) Jan 64
Evaluation Kit, RCA CDP18S020 COSMAC(ER) Jul 26
Floppys, All About(Savon) Mar 57
Disc System, Apple Disc II(ER) Aug 26
Heath H17 May 24
Introduction To Personal(Mazur) Mar 48
Logic Analyzer, Lab Science VLA-1000(ER) Apr 26
Microprocessor, 4-Bit Bipolar(F) Dec 42
NOM Card For The 1802(C)(Cheairs) Jan 58
Ohio Scientific Superboard(ER) Jun 24
Personal, Introduction To(Mazur) Mar 48
Printers For Personal(Mazur) Mar 53
Products Jan 78, Feb 92, May 85, Jul 76, Aug 75, Oct 134, Nov 88
Programming Language, Assembly Or Basic(CC) Oct 130
Programs, PET, Micro-Software Systems(ER) Dec 33
Prom Programming(AN) Sep 68
6502 Editor-Assembler(ER) Feb 32
ROM CARD, Apple Computer Applesoft(ER) Apr 35
Software, PET, Micro-Set 1(ER) Mar 36
Terminals, CRT, Selecting The Right One(Savon) Mar 60
TRS-80 Breadboard (C) (Titus, Titus & Larsen) Nov 43, Dec 51
Your Own(Special Section) Mar 47
Computerize CB's(COMC) (Friedman) Aug 68
Construction (see **BUILD**)
Control System, Automatic(C)(Nyman) Oct 75
Convergence/Vertical Problems(SC)(Darr) Sep 84
CRT Terminals (see listing under **COMPUTERS**)
Customize Your PC Boards(HC)(Savage) Dec 64

D

Damper Tube Trouble(SQ) Jun 78
DC Power Supplies(SC)(EX) May 96
Dead Tubes(SQ) Mar 100
Design Digital Circuits, Part II(Woolsey) Jan 47
Desoldering, All About(Savage) Nov 67
Dialers (see listing under **TELEPHONES**)
Digital (also see specific equipment listings)
Circuits, How To Design, Part II(Woolsey) Jan 47
Logic In VCR Servicing(Belt) Oct 109, Nov 57
Diodes Blown(SQ) Apr 78
Half on Raster Blown Aug 72
Zener, A Look At(HC)(Savage) Jun 70
Direct Memory Access(CC) May 86
Distortion, TIM, All About(Feldman) Jun 47
DMM's (see **MULTIMETERS** listing under **TEST EQUIPMENT**)

Dolby HX Noise-Reduction System(Feldman) Dec 58
Don t Jump To Conclusions(SC)(Darr) Jan 66
Double Trouble(SQ)(Darr) Aug 72
Dynamic Expander (see listing under **HI-FI**)
8055 (see listing under **COMPUTERS**)
8080 (see listing under **COMPUTERS**)
8085 (see listing under **COMPUTERS**)

E

Editorial, Call For New Ideas, A (Kleiman) Jul 6
Communications & You(Steckler) May 14
Electronics Tomorrow(Steckler) Jan 14
Energy Alternatives (Kleiman) Nov 14
Fight Against Cancer (Kleiman) Sep 14
1929(50ANNIV)(Gernsback) Oct 14
What's Your Application?(Steckler) Mar 14
Today's Greatest Bargain(Steckler) Apr 14, (L)Oct 16
What's Special About Radio-Electronics?(Steckler) Aug 6
Where Do The Articles Come From?(Steckler) Dec 16
Who Was April Fooled?(Kleiman) Jun 14
8085 & MCS-48(CC)(Barden) Jan 64
Electronics Tomorrow(E)(Steckler) Jan 14
---2029 (50 ANNI) (Weinstein) Oct 53
Energy Alternatives (E) (Kleiman) Nov 14
Equipment For SWL's & Amateurs (COMC)(Friedman) Oct 118
Equipment Reports
Analyzer, Logic, Lab Science VLA-1000 Apr 26
Generator, Color TV, Leader LCG-397 Mar 32
Antenna, CB, Base, American K-40 Sep 32
Cassette Eraser & Rapid Rewinder, Magnesonics Jun 32
Clock, Binary, Graymark 540 Jul 24
Color TV, Analyzer-Generator, Leader LCG-397 Mar 32
Communications Filter, MFJ Enterprise MFJ-721 Dec 32
Component Analyzer, PTS 8001 Aug 24
CompuChess, Data Cash Systems Jan 26
Computer, Ohio Scientific Superboard II Jun 24
Programs, PET, Microsoftware Systems Dec 33
6502 Editor-Assembler Feb 32
Current Gun, F.W. Bell GC-100A Jan 24
Evaluation Kit, RCA CDP18S020 COSMAC Jul 26
Floppy Disc System, Apple Disc II Aug 26
Frequency Counter, Continental Specialties MAX 50 Jun 25
LCR Bridge, Leader LCR-740 Transistorized Dec 24
Logic Analyzer, Lab Science VLA-1000 Apr 26
Micoder II, Heath HD-1984 Mar 26
Multimeter Digital, LCD, Alco 2000A Oct 32
Data Precision 248 Apr 34
Fluke 8010A/8012A Oct 24
Sabtronics 2010A Jun 23
Simpson 462 Feb 26
Sinclair Radionics DM350 Aug 24
Power Supplies, DC
Viz WP-705, WP-706, WP-707 Jun 33
Radio Receiver, Realistic DX-300 Aug 33
Remote Control, BSR System X10 Jul 25
ROM Card, Apple Computer Applesoft Apr 35
Scanner, Portable, Bearcat Thin Scan Programmable, Electra BC220 Oct 26
Transceiver, Motorola CM540 Sep 34
Software, PET Micro-Set 1 Sep 35
Sweep Generator, Krohn-Hite 1200 Mar 36
Telephone, Wireless, Pace EZ Phone Mar 24
Transceiver, Scanner, Motorola CM 540 Oct 34
Travel Computer, Zemco 44 Compucruise Sep 35
Video Modulator, ATV Research MVX500 MicoVerter Nov 32
Evaluation Kit, RCA CDP18S020 COSMAC(ER) Sep 26
Expander, Dynamic (see listing under **HI-FI**) Jul 26

F

Fast Recovery Diodes(SC)(EX) May 98
FET RF Amplifier Problem(SQ) Jun 95
50th Anniversary (Special Section) Oct 39
Author...Author! Oct 70
In The Beginning Oct 40
Electronics Tomorrow–2029 Oct 53
50 Years of Electronics Oct 42
Founder, The Great Hugo Oct 62
Lights That Failed Oct 57
Magazines By Gernsback Oct 47
50 Years of Electronics(50ANNI)(Shunaman) Oct 42
Fight Against Cancer (E) (Kleiman) Sep 14
Flyback, Substitute Wanted(SQ) Jan 66
Floppys (see listing under **COMPUTER**)
FM (also see **HI-FI**)
Detector & Filter Tests(Belt) Feb 65
Focus Problem(SQ) Mar 106
Rectifier Bad(SQ) Dec 84
4-Bit Bipolar Microprocessor(F) Dec 42
4-Channel (see listing under **HI-FI**)
4-½-Digit Precision DMM(C)(Owen) Aug 37
Frequency Counter (see listing under **TEST EQUIPMENT**)
Fuse, Blown, Test (SQ) Oct 140

G

Games, Bowling(C)(Stanford) May 40
CompuChess, Data Cash(ER) Jan 26
Video Motorcycle(C)(Cheairs) Jan 44
Garage Door Position Indicator(EX)(Shepler) Oct 93
Gernsback, Electronics Magazines By (50ANNI) Oct 47
Founder, The Great(50ANNI)(Shunaman) Oct 62
Guns Mounted Vertically(SQ) Mar 106

H

Heart Rate Monitor(C)(Worley) Jul 35
HI-FI
Adaptive Noise Filter(C) (Skormond & Garrison) Aug 43, Sep 54
Amplifiers, Buyers Guide to Hi-Fi May 47
DC, Understanding(Feldman) Jul 47
IHF Specifications, New(Feldman) Feb 56
Magnetic Field(Feldman) Apr 50
Super Audio(C)(Talbot) Dec 55
Audio Oscillator Applications(AA)(Gilmore) Dec 66
Test Station(C)(Davison-Scott) Jan 35, Feb 45, Mar 76, May 59, Jul 54
Automotive, Car Stereo, What s New In(Petras) Jun 41
Distortion, TIM, All About(Feldman) Jun 47
Dolby, HX Noise Reduction System(Feldman) Dec 58
Expander, Dynamic, dBx 2BX(REAL) Aug 63
FM Tuner Circuits, New(Feldman) Aug 57
4-Channel(Feldman) Jan 51
IHF Amplifier Specifications(Feldman) Feb 56
Microphones, All About(Feldman) Oct 101
Music, Monophonic Make(HC) Jan 62, Feb 74
Synthesizer, Polytonic Percussion (C)(Barbarello) Sep 43, Oct 98, Dec 47, String(C)(Jones) Feb 37, Mar 71, (L)Jun 6
Noise Reduction, Dolby HX System (Feldman) Dec 58
Power Amplifier, McIntosh MC-502 (REAL) Nov 62
Nikko Beta II (REAL) Apr 53
Preamp/, Nikko Beta II (REAL) Apr 53
Receiver, AM/FM, JVC JR-S501 (REAL) Jun 56
Sherwood S-7210CP (REAL) Dec 61
Sony STR-V7 (REAL) Aug 60
Tandberg TR-2080 (REAL) Oct 104
Yamaha CR-420 (REAL) Feb 59
CR-2040 (REAL) Jul 50
Receiver, Stereo, Lafayette LR-120DB (REAL) Mar 87
Setton RS-660 (REAL) Sep 60
Record Care, Antistatic (Feldman) Sep 57
Speaker, Hookups (SQ) Apr 80
Stereo Products(D) Jan 74, Feb 94, Mar 118, May 103, Jun 90, Jul 85, Aug 74, Sep 93, Oct 145, Nov 94, Dec 90
Synthesizers, Percussion (C) (Barbarello) Sep 43, Oct 98, Dec 47
String(C)(Jones) Feb 37, Mar 71, (L)Jun 6
Tape Deck, Open Reel, Tandberg TDA-20A (REAL) Jan 54
Recorder Miniature (SQ) Nov 83
Tune Up (Harlow) Nov 54
Time Delay, Digital, Audio Pulse Model Two (REAL) Oct 107
System, SAE 4100 (REAL) Feb 62
Tuner, AM/FM, Onkyo T-4090 (REAL) Nov 65
Scott 530-T (REAL) Jun 54
TV Audio Tuner, Pioneer(REAL) Jan 56
High-Voltage Boost (SQ) Dec 84
Down (SQ) May 98
Drops (SQ) Jan 67
No (SQ) Sep 84
Problems(SQ) Jun 76
Hobby Corner, Clock, How to Modify Jul 66
BFO Circuit For Shortwave Receivers May 80
Modify Alarm Clock Aug 66
Monophonic Music Maker (C) Jan 62, Feb 74
Mystery Circuit Oct 114
Light Puzzle Answer Nov 77
PC Boards, Making Prototype Mar 94
Programmable Calculator Applications Sep 76
Transformer, Determine Voltage & Current Ratings Apr 70
Zener Diodes, Look At Jun 70
Horizontal Bar (SC) Aug 72
Oscillator Coil (SQ) Jun 78
Sync (SQ) Dec 86
Hugo Gernsback-Founder (Shunaman) Oct 62
Hum, Problem Solved (SQ) Nov 89

I

IHF (See listing under **HI-FI**)
In The Beginning(50ANNI)(E) Oct 40
Intermittents, Be Aware Of (SC) Jul 74
Introduction To Personal Computers(Mazur) Mar 48

L

LCR Bridge (see listing under **TEST EQUIPMENT**)
LED Array (AM) Mar 44
Bar-Graph Display (C) Oct 90
Driver (AN) Mar 44
Letters (D) Jan 16, Feb 16, Mar 16, Apr 16, May 16, Jun 6, Jul 12, Aug 12, Sep 16, Oct 16, Nov 16, Dec 22
Lie Detector (EX) Cameron) Oct 93
Lights That Failed (50ANNI) (Shunaman) Oct 57
Line-Voltage Monitor (see listing under **TEST EQUIPMENT**)
Literature(see **NEW LIT**)
Logic Analyzer (see listing under **TEST EQUIPMENT**)
Looking Ahead (D) Jan 4, Feb 4, Mar 4, Apr 4, May 4, Jun 4, Jul 4, Aug 4, Sep 4, Oct 4, Nov 4, Dec 5

M

Magazines By Gernsback, Electronics (50ANNI) Oct 47
Make Your Own PC Boards(Temple) Jul 58
Magnetic Field Amplifier (Feldman) Apr 50
MCS-48 & 8085 (CC) (Barden) Jan 64
Microphones (see listing under **HI-FI**)
Microprocessor (see listing under **COMPUTERS**)
Mixer Transistor Blows (SQ) Nov 89
Module Extension Cable Kits, Sylvania (ER) May 26
Monitor (see listing under **TEST EQUIPMENT**)
Monophonic Music Maker(HC)(Savage) Jan 62, Feb 64
Multimeter, Digital (see listing under **TEST EQUIPMENT**)
Music (see listing under **HI-FI**)
On Hold, Telephone(C)(Gilder) Nov 53
Mystery Circuit(HC)(Savage) Oct 114
Light Puzzle Answer (HC) Savage) Nov 77

N

New FM Tuner Circuits (Feldman) Aug 57
Lit(D) Feb 96, Mar 103, Apr 88, May 78, Jun 96, Jul 88, Sep 92, Oct 149, Nov 76
Products(D) Jan 77, Feb 86, Mar 120, Apr 82, May 102, Jun 84, Jul 78, Sep 86, Oct 147, Nov 90, Dec 92
& Timely (D) (also see **WHAT'S NEWS**) Jan 6, Feb 5, Mar 6, Apr 6
1929(E)(Gernsback) Oct 14
Noise Reduction (see listing under **HI-FI**)
NOM Card For The 1802 (C) (Cheairs) Jan 58

O

Ohmmeter Can Test SCR's (SQ) Sep 84
Op Amps, Protect From Overloads (AN) Nov 70
Outlet Checker (see listing under **TEST EQUIPMENT**)

P

Personal Computers (see **COMPUTERS**)

Picture Tube, Shorted (SQ) **Nov 83**

Pioneers In Radio, Branley, Edouard (F) (Shunaman) **Apr 52**

Polytonic Percussion Synthesizer (C)(Barbarello) **Sep 43, Oct 98, Dec 47**

Position Indicator For Remote Selectro Switch (EX) **Oct 93**

Power Amplifier (see listing under **HI-FI**)

Power Supplies (see listing under **TEST EQUIPMENT**)

Preamp (see listing under **HI-FI**)

Printed Circuit Boards, All About (Cheairs) **Sep 50**
- Customize(Savage) **Dec 64**
- Make Your Own (Temple) **Jul 58**
- Making Prototype (HC) (Savage) **Mar 94**
- Wire-Wrap (Temple) **Feb 53**

Phones (see **TELEPHONES**)

Printers (see listing under **COMPUTERS**)

Products (see listing under **COMPUTER, STEREO, NEW, COMMUNICATIONS**)

Programmable, Calculator
- Applications (HC) (Savage) **Sep 76**
- Home Thermostat (C) (Gise) **Jun 35, (L) Dec 22**

Programs (see listing under **COMPUTERS**)

PROM Programming (AN) **Sep 68**

Q

Quickie Course in VCR Video (Belt) **Sep 63**

R

Radio
- **Antenna,** CB, American K-40 (ER) **Sep 32**
- **CB** Base (ER) **Nov 26**
- /VHF-Marine (COMC) (EX) **Nov 84**
- Loop, Super (COMC (EX) **Sep 80**
- Tuner, SST T-4 (ER) **Dec 34**
- BFO For Shortwave Receivers (HC) (Savage) **May 80**
- **CB,** Computerized (COMC) **Aug 68**
- Get Better Sound (COMC) (EX) **Nov 84**
- Receivers, Troubleshooting (Belt) **May 64**
- Transceiver, Scanner, Motorola CM540 (ER) **Sep 35**
- Communications & You (E) (Steckler) **May 14**
- **Communications Corner**
- Computerized CB's **May 68, Aug 68**
- Equipment For SWL's and Amateurs **Oct 118**
- Receivers Getting More Complex **Nov 84**
- RF Directional Wattmeters **Dec 74**
- Super Loop Antenna System **Sep 80**
- SWR Meter (EX) **Sep 80**
- T-Band, What Is It? **Jun 72**
- Communications Filter, MFJ Enterprise 721 (ER) **Dec 32**
- Communications Products (D) **Mar 112, Apr 74, Aug 76, Sep 88**
- Communications Receivers, Troubleshooting (Belt) **Feb 63, Apr 66, (L) Jun 6**
- FM Detector & Filter Tests (Belt) **Feb 65**
- Micoder II, Heath HD-1984 (ER) **Mar 26**
- Products (D) (also see **RADIO, COMMUNICATIONS PRODUCTS**)**Oct 122, Nov 91**
- **Receivers,** Getting More Complex (COMC) **Nov 84**
- Realistic DX-300 (ER) **Aug 33**
- **Scanner,** Portable, Bearcat Thin Scan (ER) **Oct 26**
- Programmable Electra BC220 (ER) **Sep 34**
- SWR Meter (COMC) (EX) **Sep 80**
- T-Band, What Is It? (COMC) (Friedman) **Jun 72**
- Troubleshooting Communications Receivers (Belt) **Feb 63, Apr 66, (L) Jun 6**

Raster, Brightens (SQ) **Jan 67**
- Brightness Problem (SQ) **Oct 138**
- Disappearing (SQ) **Mar 102**
- Half A/Diodes Blown (SQ) **Aug 72**

R.E.A.L. Sound Lab Test
- Expander, Dynamic, dBx 2BX **Aug 63**
- **Power Amplifier,** McIntosh MC-502 **Nov 62**
- Nikko Alpha II **Apr 53**
- Preamp, Nikko Beta II **Apr 53**
- **Receiver, AM/FM,** JVC JR-S501 **Jun 56**
- Sherwood S-7210CP **Dec 61**
- Sony STR-V7 **Aug 60**
- Tandberg TR-2080 **Oct 104**
- **Yamaha** CR-420 **Feb 59**
- CR-2040 **Jul 50**
- **Receiver, Stereo,** Lafayette LR-120DB **Mar 87**
- Setton RS-660 **Sep 60**
- Tape Deck, Open Reel, Tandberg TDA-20A **Jan 54**
- **Time Delay,** Digital, Audio Pulse Model Two **Oct 107**
- System, SAE 4100 **Feb 62**
- **Tuner, AM/FM,** Onkyo T-4090 **Nov 65**
- Scott 530-T **Jun 54**

Real-Time Clocks (see listing under **COMPUTERS**)

Receivers (see listing under **HI-FI** & **RADIO**)

Record Care, Antistatic (Feldman) **Sep 57**

Remote Control, BSR System X10 **Jul 25**

RF Directional Wattmeters(COMC)(Friedman) **Dec 74**

ROM(see listing under **COMPUTER**)

S

Satellite TV (see listing under **TV**)

Scanner(see listing under **RADIO**)

SCR's, Ohmmeter Can Test(SQ) **Sep 84**

Secret Weapon Against Tough Dogs(Onstee & Rauch) **Jul 64**

Service Clinic(D)
- Blanking Problems **Dec 83**
- Boost Voltage **Nov 82**
- Brightness Limiter, Automatic **Jun 76**
- Convergence/Vertical Problems **Sep 84**
- DC Power Supplies(EX) **May 98**
- Don't Jump To Conclusions **Jan 66**
- Double Trouble **Aug 72**
- Fast Recovery Diodes(EX) **May 98**
- Horizontal Bars **Aug 72**
- Intermittents, Be Aware Of **Jul 74**
- Power Supplies, Pulse Width Modulated **Feb 80**
- Switching Supplies Are Tricky **Mar 98**
- Test Jigs **Oct 136**
- Tuners, Repair **Apr 76**
- Vertical/Convergence Problems **Sep 84**

Service Questions
- Admiral 11H **May 100**
- **Arcing** Ground Spring **Dec 86**
- Problem **Oct 140**
- Barkleigh TV, What's A **Jun 80**
- Blanking Problem **Mar 106**
- Bradford 1143B31 **May 100**
- Brightness Solution **Dec 84**
- Catalina 122-3030 **Apr 80**
- Cathode Current Runs Hot **May 100**
- Check The Figures **Jun 80**
- Coils With Loose Cores **Jan 67**
- Color Problem, Odd **May 98**
- Damper Tube Trouble **Jun 78**
- Dead Tubes **Mar 100**
- **Diodes** Blown **Apr 78**
- /Raster, Half A **Aug 72**
- DuMont-Emerson 41-POI **Jun 78**
- FET Amplifier Problem **Jun 95**
- Flybacks, More **May 100**
- **Focus** Problem **Mar 106**
- Rectifier Bad **Dec 84**
- Flyback Substitute Wanted **Jan 66**
- Fuse, Blown Test **Oct 140**
- **GE** C-2 Chassis **Jun 78**
- H-3 Chassis **Aug 72**
- 19JA **Mar 106**
- 194C-2 **Oct 140**
- CD Chassis **Jul 74**
- QA **Mar 100**
- Portacolor **Mar 106**
- Guns Mounted Vertically **Mar 106**
- Heater String Short **Feb 81**
- Heath GR169 **Jun 95**
- **High Voltage**
- Boost **Dec 84**
- Down **May 98**
- Drops **Jan 67**
- No **Sep 84**
- Problems **Jun 76**
- **Horizontal** Oscillator Coil **Jun 78**
- **Sync** **May 100, Dec 86**
- Hum Problem Solved **Nov 89**
- **Magnavox** T982 **Aug 72**
- T991 **Jul 74**
- Minitape Recorder **Nov 83**
- Mixer Transistor Blows **Nov 89**
- Motorola TS-594 **Dec 84**
- National TR-317U **Jan 66**
- Philco 21L23 **Jun 80**
- Pix Tube Shorted **Nov 83**
- Pictures, Double **Nov 89**
- Quasar TS-915F **Mar 102**
- **Raster** Brightens **Jan 67**
- Brightness Problem **Oct 138**
- Disappearing **Mar 102**
- Half A/Blown Diodes **Aug 72**
- **RCA** CTC-25 **Nov 89**
- CTC-27XAD **May 100**
- CTC-31A **Jan 67**
- CTC-38 **Nov 89**
- CTC-43 **Dec 86**
- **Sears** 19-inch **Feb 81**
- 9180 **Mar 106**
- Short, Heater String(SQ) **Feb 81**
- Sony KV-1910 **Jan 67, Oct 138, Dec 84**
- Speaker Hookups **Apr 80**
- **Sylvania** CX5160W-1 **Apr 78**
- D-12 **Nov 89**
- E21-03 **Jun 78**
- E40-3 **Sep 84**
- **Sync,** Erratic **Jul 74**
- Problems **Apr 78**
- Toshiba TAC-3310 **May 98**
- **Transistors,** Replacement **Nov 89**
- Substitute Needed **Mar 100**
- Tubes, Short Life **Mar 106**
- VDR Problem **Oct 140**
- **Vertical Sweep,** No **Jun 78**
- Odd **Apr 80**
- Video Cassette Recorder Flag Waving **Dec 86**
- **Voltage** Overload **Aug 73**
- DC Low **Jul 74**
- Warmup Slow **May 100**
- Weak, everything **Mar 100**
- XAM 9T75 **Apr 78**
- **Zenith** 14A9C50 **Jun 76**
- 14A10C29 **Oct 140**
- 14N28 **May 100**
- 14Y33 **Oct 140**
- 19DC11 **Mar 100**
- 19EC45 **Mar 106**
- 25EC58 **Aug 73**
- 25MC30 **May 93**

Short, Heater String (SQ **Feb 81**

6-Foot TV From A Kit(Steckler) **Dec 39**

600-MHz Portable Frequency Counter(C) (Colburn & Owen) **Jan 39, (L)Jun 6**

Software(see **PROGRAMS** listing under **COMPUTERS**)

Solar Heating Temperature Indicator (EX)(Whitaker) **Oct 93**
- Tracking System(C)(Kreuter) **Feb 42**

Solid State News(F) **Oct 93, Nov 61, 72**

Speaker(see listing under **HI-FI**)

State Of Solid State(D)(Savon) **Jul 68, Oct 126, Dec 78**

Stereo(see **HI-FI**)

Super Audio Amplifier(C)(Talbot) **Dec 55**

String Synthesizer(C)(Jones) **Feb 37, Mar 71, (L)Jun 6**

Sweep Generator(see listing under **TEST EQUIPMENT**)

Switching Power Supplies(Cheairs) **Jun 64, Jul 61**

Switching Supplies Are Tricky(SC)(Darr) **Mar 98**

Sync Erratic(SQ) **Jul 74**
- Horizontal(SQ) **May 100**
- Problems(SQ) **Apr 78**

Synthesizer(see **MUSIC** under **HI-FI**, also see listing under **RADIO**)

T

T-Band, What Is It?(COMC)(Friedman) **Jun 72**

Tape Deck(see listing under **HI-FI**)

Tape Recorder(see listing under **HI-FI**)

Telephone, Dialers, Automatic(Blechman) **Nov 48**
- **Dec 43**
- Music On Hold(C)(Gilder) **Nov 53**
- Wireless, Pace EZ Phone(ER) **Oct 34**

TV(also see **VIDEODISC** & **VCR**)

TV, Add On Gadgets(Grove) **Aug 50**
- Audio, Tuner, Pioneer TVX-9500(REAL) **Jan 56**
- Brightness Limiter, Automatic(SC)(Darr) **Jun 76**
- Projection, 6-Foot From A Kit (Steckler) **Dec 39**
- Satellite **Aug 47, Sept 47, Oct 81, (L)Dec 22**
- Service Clinic(see **SERVICE CLINIC**)
- Service Questions(see **SERVICE QUESTIONS**)
- Video Modulator, ATV Research MVX-500 Microverter(ER) **Sept 26**

Temperature Indicator, Solar Heating (EX)(Whitaker) **Oct 93**

Test Equipment
- Ammeter, Current Gun, F.W. Bell CG-100A(ER) **Jan 24**
- **Analyzer,** Component, PTS 8001(ER) **Aug 24**
- Generator, Color TV, Leader LCG-397(ER) **Mar 32**
- Logic, Lab Science VLA-1000(ER) **Apr 26**
- Audio Oscillator Applications(Gilmore) **Dec 66**
- Audio Test Station(C)(Davison-Scott) **Jan 35, Feb 45, Mar 76, May 59, Jul 54**
- Calibrator, Time/Voltage(C)(Farrar) **May 35, Jun 59**
- Color TV Analyzer-Generator, Leader LCG—397(ER) **Mar 32**
- Component Analyzer, PTS 8001(ER) **Aug 24**
- Digital Multimeter(see **MULTIMETER** under **TEST EQUIPMENT**)
- **Frequency Counter,** Continental Specialties MAX 50(ER) **Jun 25**
- 600-MHz Portable(C)(Colburn & Owen) **Jan 39, (L)Jun 6**
- LCR Bridge, Leader LCR-740 Transistorized(ER) **Dec 24**
- Line-Voltage Monitor(EX)(Kinnard) **Oct 92**
- Logic Analyzer, Lab Science VLA-1000(ER) **Apr 26**
- Module Extension Cable Kits, Sylvania(ER) **May 26**
- **Monitor,** Car Battery Voltage(EX)(Damkier) **Oct 92**
- Line Voltage(EX)(Kinnard) **Oct 92**
- Tester, Automotive Charging System(EX)(Kinnard) **Oct 92**
- **Multimeter Digital,**
- Alco 2000A(ER) **Oct 32**
- Data Precision 248(ER) **Apr 34**
- Fluke 8010A/8012A(ER) **Oct 24**

4 ½-digit Precision(C)(Owen) Aug 37
New Trend In(Weinstein) Mar 41
Sabtronics 2010A(ER) Jun 23
Simpson 462(ER) Feb 26
Sinclair Radionics DM350(ER) Aug 24
Ohmmeter Can Test SCR's(SQ) Sep 84
Outlet Checker, AC(C)(Kraengel) Aug 53
Power Supplies, Pulse-Width-Modulated, Starter Circuits(SC)(Darr) Feb 80
Switching (Cheairs) Jun 64, Jul 61
Viz WP-705, WP-706, WP-707(ER) Jun 33
Sweep Generator, Krohn-Hite 1200(ER) Mar 24
SWR Meter(COMC)(EX) Sep 80
Test Jigs(SC) Oct 136
Tester/Monitor, Automotive Charging System(EX)(Kinnard) Oct 92
Thermometer, Secret Weapon Against Tough Dogs (Onstee & Rauch) Jul 64
VCR(Belt) Apr 58
Voltmeter, Expanded Scale, Two(EX)(Kinnard) Oct 92
Wattmeters, Directional RF(COMC) Dec 74

Test Jigs(see listing under **TEST EQUIPMENT**)

Tester(see listing under **TEST EQUIPMENT**)

Thermometer, Precision Digital(C)(Owen) Jul 42

Thermostat(EX)(Barrington) Oct 90
Programmable Home(C)(Gise) Jun 35, (L)Dec 22

TIM Distortion, All About(Feldman) Jun 47

Time Delay(see listing under **HI-FI**)

Time/Voltage Calibrator(C)(Farrar) May 35, Jun 59

Today's Greatest Bargain(E)(Steckler) Apr 14, (L)Oct 16

Tools, VCR(Belt) Apr 59

Transceiver(see listing under **RADIO**)

Transformer, Determine Voltage & Current Ratings Apr 70

Transistors, Replacement(SQ) Nov 89
Substitute Needed(SQ) Mar 100

Travel Computer, Zemco 44
Compucruise (ER) Nov 32
CB Receivers(Belt) May 64

Troubleshooting Communications Receivers(Belt) Feb 63, (L)Jun 6
FM Detector & Filter Tests(Belt) Feb 65
Power Supplies, Pulse-Width-Modulated, Starter Circuits(SC)(Darr) Feb 80
VCR, What You Need To Know(Belt) Apr 57

TRS-80 Breadboard(C)(Titus, Titus & Larsen) Nov 43, Dec 51

Tubes, Short Life(SQ) Mar 106

Tuner(see listing under **HI-FI**)

Tuners, Repair(SC)(Darr) Apr 76

Tune Up Your Tape Recorder(Harlow) Nov 54

U

Understanding DC Amplifiers(Feldman) Jul 47

Unique Projects, 3(C)(Weinstein & Gartman) Apr 48

V

VCR(see **VIDEO CASSETTE RECORDERS**)

VDR Problem(SQ) Oct 140

Vertical/Convergence Problems(SC)(Darr) Sep 84
Sweep, No(SQ) Jun 78
Odd(SQ) Apr 80

Video Cassette Recorders
Flag Waving(SQ) Dec 86
Digital Logic In(Belt) Oct 109, Nov 57
Servicing, Fundamental Approach, A(Belt) Apr 62
Special Section, What You Need To Know About(Belt) Apr 57
Tools & Instruments(Belt) Apr 59
Video, Quickie Course(Belt) Sep 63
What Will You Do About?(Belt) Apr 58
Where To Learn(Belt) Apr 64

Videodisc-Look At The Circuitry(Steckler) Apr 37, Jun 50, Jul 39

Video Modulator(see listing under **TV**)

Video Motorcycle Game(C)(Cheairs) Jan 44

Voltage, Line Monitor(EX)(Kinnard) Oct 92

Monitor(see **MONITOR** under **TEST EQUIPMENT**)
Overload(SQ) Aug 73

Voltages, DC Low(SQ) Jul 74

Voltmeters, Expanded Scale, 2(EX)(Kinnard) Oct 92

W

Wattmeters(see listing under **TEST EQUIPMENT**)

Weak, Everything(SQ) Mar 100

What's New In Car Stereo(Petras) Jun 41
In Rechargeable Batteries(Salm) May 44

What's News(D)(also see **NEW & TIMELY**) May 6, Sep 6, Oct 6, Nov 6, Dec 12

What's Special About Radio-Electronics?(E)(Steckler) Aug 6

What's Your Application?(E)(Steckler) Mar 14

Where Do All The Articles Come From?(E)(Steckler) Dec 16

Wirewrap/Printed Circuits(Temple) Feb 53,(L)Aug 22

Who Was April Fooled? (E) (Kleiman) Jun 14

Wiring Systems For Projects(Savage) Aug 54

Y

You Can Be A CET(Glass) Feb 68, Dec 70

Your Own Computer(Spec Sect) Mar 47

Zener Diodes, A Look At(HC)(Savage) Jun 70